Program: JAPAN-ITALY EFES Workshop

MONDAY September 6, 2010

8:40-9:20	**REGISTRATION**	
	Opening Session	Chair: Angela Bonaccorso
9:20-9:30	Amedeo Staiano	Welcome from the Director of the Sezione INFN di Torino.
9:30-9:35	Giovanni Pollarolo	Opening address.
9:35-9:40	Takaharu Otsuka	Greetings from the Coordinator of EFES.
**	Session	Continuum and cluster, Chair: Angela Bonaccorso
9:40-10:10	Yasuyuki Suzuki	Continuum and bound states. (25+5)
10:10-10:30	Wataru Horiuchi	Strength functions of 4He using realistic nuclear interaction. (15+5)
10:30-11:00	Shigeyoshi Aoyama	Cluster breaking effects in four nucleons scattering. (25+5)
11:00-11:30	**Coffee Break**	
**	Session	Resonance and response I, Chair: Kouichi Hagino.
11:30-12:00	Silvia Lenzi	A new region of deformation for neutron-rich nuclei at N~40. (25+5)
12:00-12:30	Masayuki Matsuo	Continuum responses in neutron-rich nuclei: photo absorption and pair transfer. (25+5)
12:30-13:00	Edoardo Lanza	Coulomb and nuclear excitation of the pygmy dipole resonance in neutron rich nuclei. (25+5)
13:00-14:30	**LUNCH**	
**	Session	Ab-initio and shell-model approaches, Chair: Kiyoshi Kato
14:30-15:00	Takaharu Otsuka	Shell evolution in continuum. (25+5)
15:00-15:30	Carlo Barbieri	Applications of Green's function theory to medium-mass nuclei. (25+5)
15:30-15:50	Shinichiro Fujii	Microscopic shell-model calculations for sd-shell nuclei in a 0s-2s1d0g no-core model space. (15+5)
15:50-16:20	Angela Gargano	Neutron-rich nuclei within a realistic shell-model approach. (25+5)
16:20-16:50	**Break**	
**	Session	Breakup and heavy-ion reactions, Chair: Masanobu Yahiro
16:50-17:20	Angela Bonaccorso	The many facets of breakup reactions with exotic beams. (25+5)
17:20-17:40	Shusaku Yusa	Role of noncollective excitations in low-energy heavy-ion reactions. (15+5)
17:40-18:00	Takashi Nakatsukasa	Complex absorbing potential for the continuum in real-space calculations. (15+5)

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TUESDAY September 7, 2010

**	Session	Resonance and response II, Chair: Takashi Nakatsukasa
9:00-9:40	Andrea Vitturi	Pygmy dipole states in neutron-rich nuclei. (35+5)
9:40-10:00	Kenichi Yoshida	Skyrme energy-density functional approach to collective excitations in medium-mass to heavy nuclei. (15+5)
**	Session	Fusion and heavy-ion reactions, Chair: Andrea Vitturi
10:00-10:30	Yoritaka Iwata	Suppression of charge equilibration leading to the synthesis of exotic nuclei. (25+5)
10:30-11:00	Takatoshi Ichikawa	Smooth transition from sudden to adiabatic states in heavy-ion fusion reactions at deep-subbarrier incident energies. (25+5)
11:00-11:30	**Coffee Break**	
**	Session	Reaction and continuum I, Chair: Enrico Vigezzi
11:30-12:00	Susumu Shimoura	Direct reactions populating continuum states of exotic nuclei. (25+5)
12:00-12:30	Makoto Ito	Unified studies of reactions and structures in light neutron-excess system. (25+5)
12:30-13:00	Alfredo Molinari	Spreading width of doorways states and banded random matrices. (25+5)
13:00-14:30	**LUNCH**	
**	Session	Reaction and continuum II, Chair: David Brink
14:30-15:10	Kiyoshi Kato	Toward a unified description of bound and unbound states. (35+5)
15:10-15:50	Masanobu Yahiro	Recent development in CDCC. (35+5)
15:50-16:20	**Break**	
**	Session	Two-nucleon correlation and halo, Chair: Gianluca Colo'
16:20-16:50	Kouichi Hagino	Two-neutron halo nuclei in one dimension: dineutron correlation and nuclear breakup. (25+5)
16:50-17:20	Enrico Vigezzi	Pairing and transfer reactions in halo nuclei. (25+5)
17:20-17:50	Hiroyuki Sagawa	Di-neutron and di-proton correlations in the ground state and E1 excitations of Borromean nuclei. (25+5)
20:00-23:00	**DINNER**	

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WEDNESDAY September 8, 2010

**	Session	Resonance and response III, Chair: Masayuki Matsuo
9:10-9:40	Gianluca Colo'	Effect of particle-vibration coupling on the single-particle states: a consistent study within the Skyrme framework. (25+5)
9:40-10:00	Shuichiro Ebata	The research of E1 mode using Canonical-basis TDHFB. (15+5)
10:00-10:30	Viviana De Donno	Continuum random phase approximation theory. (25+5)
10:30-11:00	Kazuhito Mizuyama	Microscopic particle-phonon coupling formalism including exact continuum. (25+5)
11:00-11:30	**Coffee Break**	
**	Session	Astrophysics, Chair: Francesco Catara
11:30-12:00	Toshio Suzuki	Nuclear weak processes in stars. (25+5)
12:00-12:30	Xavier Roca Maza	Density dependence of the symmetry energy and the neutron skin thickness of nuclei. (25+5)
12:30-13:00	Yasuyuki Suzuki	Closing.
13:00-14:30	**LUNCH**	